

Lockheed Aircraft Corp.		ENGINEERING STUDY <input checked="" type="checkbox"/>		LAC - 10							
DATE 3-24-59		AFFECTS : WSPO <input checked="" type="checkbox"/>		PROJECT <input checked="" type="checkbox"/>							
NAME OF MAJOR COMPONENT Landing Gear		PART OR LOWEST SUBASSEMBLY Main Gear Cylinder		PART NO. & MODEL OR TYPE							
TITLE OF PROPOSAL : Main Gear Actuating Cylinder - Pressure Reduction											
NATURE OF PROPOSAL : A Bendix 411590-42 Pressure Reducer Valve is to be installed in the gear down line to the upper end of the main gear actuating cylinder. This reduces actuation pressure from 3000 PSI to 1250 PSI. This change applies to all airplanes.											
REASON FOR PROPOSAL : Actuating cylinders have been experiencing surge pressures of 6000 PSI; confirmed by flight test oscillograph readings. This has resulted in three split cylinders. Ref. UR's 58-876, 58-1365 and 58-1404.											
ES	ESTIMATED COST AND TIME INVOLVED : \$3700.00 charged 50% to Cust.No.1 & 50% to Cust. No.2 ADDITIONAL FUNDING REQUIRED : None (SP-1918)										
CP	ESTIMATED COST FOR KITS OR PARTS : \$150.00 per kit ADDITIONAL FUNDING REQUIRED : None (SP-1917)										
ITEMS AFFECTED BY PROPOSAL :											
SAFETY	MISSION EFFEC- TIVENESS	PERFORM- ANCE	OPERATING PROCEDURE	INTER- CHANGE- ABILITY	WEIGHT OR WEIGHT & BALANCE	TOOLS & SUPPORT EQUIPMENT	MAINTENANCE PROCEDURE	SERVICE LIFE	FLIGHT MANUAL	MAINTENANCE MANUAL	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
EST. MAN/HRS. REQ'D. TO ACCOMPLISH CHANGE IN FIELD											
SOURCE OF PARTS FOR KIT LAC						AVAILABILITY 8 WEEKS AFTER APPROVAL STATINTL					
DISPOSITION OF SPARES AFFECTED New procurement recommended on reducer valve:						Project 12 ea. @ approx. \$90.00 ea. WSPO 20 ea. @ approx. \$90.00 ea.					
INITIATED BY : LAC						APPROVED : WSPO PROJECT					